

Prana SW 800:

- Class A solid state
- Broadband (instantaneous single band): 0.8 GHz – 4 GHz
- Typical output power : 800 W CW
- Linear output power (1 dB compression) guaranteed with harmonics <-20 dBc:
 - P1dB > 520 W and H < -20 dBc up to 3 GHz
 - P1dB > 420 W and H < -20 dBc from 3 GHz to 4 GHz
- Air cooling: self contained fans
- Can operate in full mismatch conditions without damage
- Reliable, efficient and robust
- 19" Cabinet on wheels
- 3 years standard warranty

Maintenance:

- Amplifier designed for minimal maintenance
 - ⇒ Easy access to all parts
 - ⇒ Modular design
 - ⇒ Repairs with minimum adjustments
- Rapid diagnostic
- Minimal downtime
- Contract for preventive and corrective maintenance available

Applications:

- EMC tests
- RF tests and instrumentation
- Radiocommunication
- Measurement and research laboratories

Versions:

- **SW 800 D** : amplifier with:
 - ⇒ Display
 - ⇒ Digital control
 - ⇒ IEEE 488 GPIB Communication
- **SW 800 DC** : SW 800 D with :
 - ⇒ Integrated bidirectional coupler
 - ⇒ display of instantaneous power

SW series:

- SW 18 => 18 W CW
- SW 35 => 35 W CW
- SW 65 => 65 W CW
- SW 100 => 100 W CW
- SW 200 => 200 W CW
- SW420 => 420 W CW

Prana additional options:

- External coupler
- RF Power cable
- Switching unit



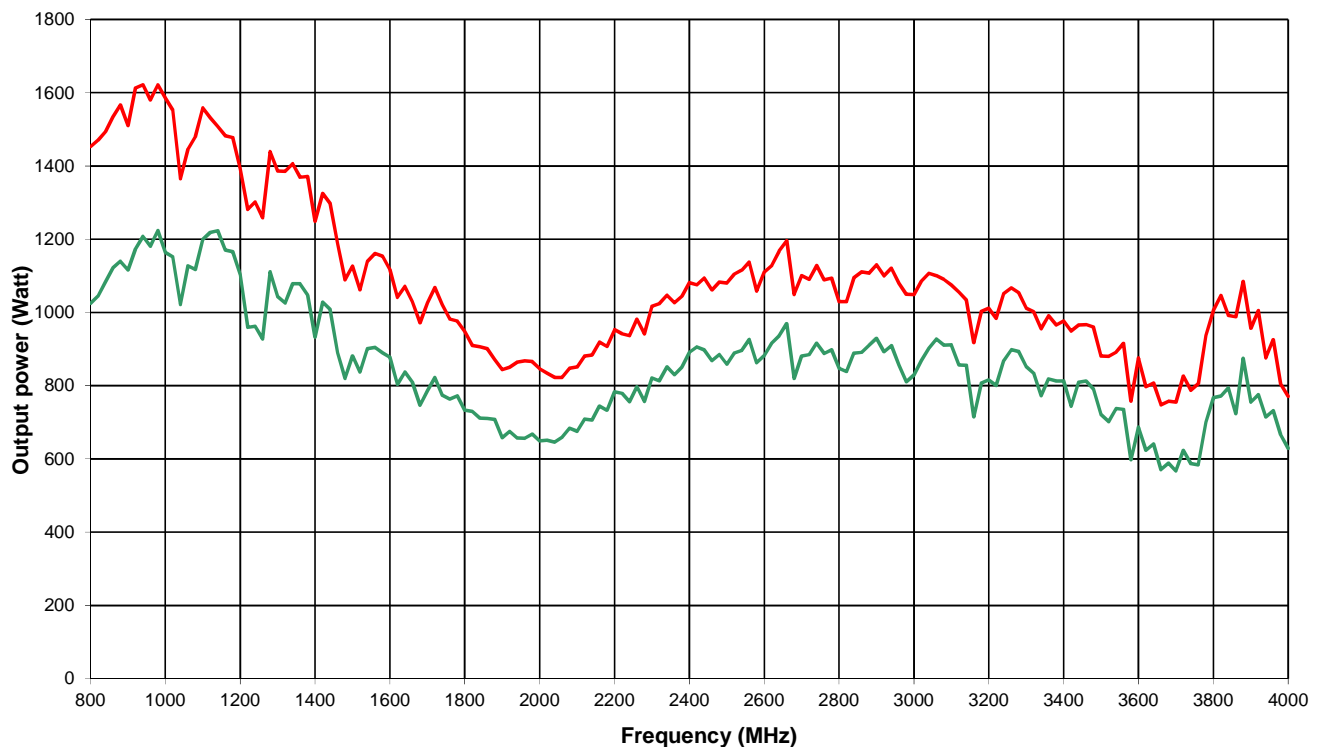


Specifications

Frequency bandwidth.....	0.8 GHz – 4 GHz
Typical output power.....	800 W
Power at 3 dB compression.....	670 W min. up to 3 GHz / 570 W min. from 3 GHz to 4 GHz *
Power at 1 dB compression.....	520 W min. up to 3 GHz / 420 W min. from 3 GHz to 4 GHz *
Harmonics distortion.....	H2,H3 < -20 dBc for output power at 1 dB compression
Class type.....	Class A
Gain.....	63 dB
Linear power gain flatness.....	± 5 dB max
Mismatch tolerance.....	infinite without damage
Input impedance.....	50 ohms / VSWR: 2:1max
Output impedance.....	50 ohms / VSWR: 2:1max
Input power.....	+10 dBm max.
RF input connector.....	Type N fem. (front panel) – other connector type on request
RF output connector.....	Type 7/16 fem. (front panel) – other connector type on request
Ambient operating temperature.....	0 °C / + 35 °C
Room temperature storage.....	-20 °C / +70 °C
Cooling.....	Forced air: 480 l/sec max. (self contained fans)
Power voltage.....	47-63 Hz, 3 phases (star or delta)
Rated current.....	7kVA
Dimensions.....	840 x 600 x 1590 mm (30U) / 33.1 x 23.6 x 62.6 in (30U)
Weight.....	320 kg / 705 lb

SW 800 DC versions

Integrated bidirectional power coupler.....	69 dB (DC version) ± 1 dB
Power coupling connector.....	Type N fem. (rear panel)
Estimated output power losses due to the coupler.....	0.4 dB



* Except DC version